

1641

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/462,931

DATE: 03/16/2001 TIME: 15:08:18

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Output Set: N:\CRF3\03162001\I462931.raw

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 3 <110> APPLICANT: HELLMAN, Jukka
         KKTNEN, Sanna-Maria
         KARP, Matti
         LTVGREN, Timo
         VNNEN, Kalervo
         PETTERSSON, Kim
                                                                                MAR 2 3 2001
10 <120> TITLE OF INVENTION: Isolated osteocalcin fragments
12 <130> FILE REFERENCE: Isolated osteocalcin fragments
                                                                          TECH CENTER 1600/2900
14 <140> CURRENT APPLICATION NUMBER: US 09/462,931
15 <141> CURRENT FILING DATE: 2000-01-18
17 <150> PRIOR APPLICATION NUMBER: PCT/FI98/00550
18 <151> PRIOR FILING DATE: 1998-06-24
20 <150> PRIOR APPLICATION NUMBER: FI 973371
21 <151> PRIOR FILING DATE: 1997-08-15
23 <160> NUMBER OF SEQ ID NOS: 4
25 <170> SOFTWARE: PatentIn Ver. 2.1
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28 <211> LENGTH: 160
29 <212> TYPE: DNA
30 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <221> NAME/KEY: CDS
34 <222> LOCATION: (1)..(147)
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37 tac ctg tat caa tgg ctg gga gcc cca gtc ccc tac ccg gat ccc ctg
38 Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
41 gag ccc agg agg gag gtg tgt gag ctc aat ccg gac tgt gac gag ttg
42 Glu Pro Arg Arg Glu Val Cys Glu Leu Asn Pro Asp Cys Asp Glu Leu
                                   25
45 gct gac cac atc ggc ttt cag gag gcc tat cgg cgc ttc tac ggc ccg
                                                                     144
46 Ala Asp His Ile Gly Phe Gln Glu Ala Tyr Arg Arg Phe Tyr Gly Pro
47
           35
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49 gtc taactgcaga tgc
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50 Val
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54 <211> LENGTH: 49
55 <212> TYPE: PRT
56 <213> ORGANISM: Homo sapiens
58 <220> FEATURE:
59 <221> NAME/KEY: peptide
60 <222> LOCATION: (1)..(49)
61 <223> OTHER INFORMATION: Glu at residues 17, 21 and 24 may be gamma-carboxy-Glu
63 <400> SEQUENCE: 2
64 Tyr Leu Tyr Gln Trp Leu Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
65 1
67 Glu Pro Arg Arg Glu Val Cys Glu Leu Asn Pro Asp Cys Asp Glu Leu
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73 Val
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88 1
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92 <212> TYPE: PRT
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 4
96 Ile Glu Gly Arg Gly Ile Pro Gly Asn Ser Ser
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/462,931

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